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Patent Application's Docket No.: 791\_160 DIV3

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of: Toshikatsu KASHIWAYA and Mutsumi KITAGAWA

Ser. No.: 10/666,879

Art Unit: 2834

Filed: September 19, 2003

Examiner: Not Assigned

Confirmation No.: 8895

For: PIEZOELECTRIC ELEMENT AND PROCESS FOR PRODUCTION THEREOF

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 4, 2004 under "EXPRESS MAIL" mailing label number EV 60707 1802 US.

*Janet M. Stevens*  
Janet M. Stevens

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97(b)**

Sir:

The information disclosure statement transmitted herewith is being filed:

☐ within three months of the filing date of this national application.

☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application.

☒ before the mailing date of the first Office action on the merits.

☐ before the mailing of a first Office Action after the filing of a request for continued examination under §1.114.

Respectfully submitted,

Stephen P. Burr  
Reg. No. 32,970

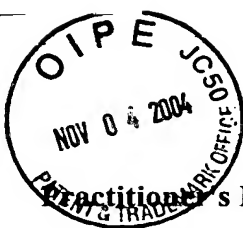
November 4, 2004

Date

SPB:jms

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*Janet M. Stevens*  
Janet M. Stevens

**INFORMATION DISCLOSURE STATEMENT**

Sir:

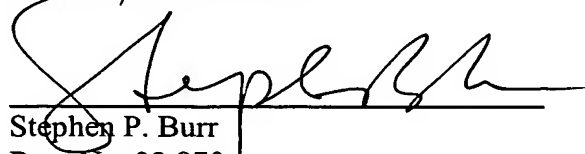
Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Required copies of the references listed on Form PTO-1449 are attached.

Also enclosed is a copy of a European Search Report bearing a mailing date of October 13, 2004, and the U.S. PTO is directed thereto for a concise statement of possible relevance of the references cited therein.

The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

Respectfully submitted,

  
\_\_\_\_\_  
Stephen P. Burr  
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Form PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Complete if Known <b>Application Number</b> 10/666,879 <b>Filing Date</b> September 19, 2003 <b>First Named Inventor</b> Toshikatsu KASHIWAYA <b>Art Unit</b> 2834 <b>Examiner Name</b> Not Assigned <b>Confirmation No.</b> 8895 <b>Attorney Docket No.</b> 791_160 DIV3	
Sheet	1	of	1		

### U.S. PATENT DOCUMENTS

Exam. Initial	Document Number	Date	Name	Our Docket No.	Class	Sub Class	Filing Date
AF	5,275,988	01/04/1994	Mori et al.				

### FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub Class	Translation	Abstract
AG	1 191 611 A2	03/27/2002	EP				
AH	0 615 294 A1	09/14/1994	EP				
AI	60102779	06/06/1985	JP				✓
AJ	01/93345 A1	12/06/2001	WO				
AK	0 954 038 A1	11/03/1999	EP				
AL	0 344 978	12/06/1989	EP				

### OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

AM	Gui Zhilun, Li Longtu, Lin Hongqing and Zhang Xiaowen, "LOW TEMPERATURE SINTERING OF LEAD MAGNESIUM NICKEL NIOBATE ZIRCONATE TITANATE (PMN-PNN-PZT) PIEZOELECTRIC CERAMIC, WITH HIGH PERFORMANCES," <i>Department of Chemical Engineering, Tsinghua University, Beijing, People's Republic of China, Ferroelectrics, 1990, Vol. 101, pp. 93-99</i>

Examiner:		Date Considered:	
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*In accordance with the Notice dated July 11, 2003 on the PTO website, we are not enclosing copies of any of the above U.S. references.